

Product datasheet for **SC202676**

ALDH1L1 (NM_012190) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ALDH1L1 (NM_012190) Human 3' UTR Clone
Symbol:	ALDH1L1
Synonyms:	10-fTHF; 10-FTHFDH; FDH; FTHFD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_012190
Insert Size:	251 bp
Insert Sequence:	>SC202676 3'UTR clone of NM_012190 The sequence shown below is from the reference sequence of NM_012190. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA GCGATCGCC CGGGTCAAGACAGTGACCTTGAATACT GA AGAAAGGTCTTTGTGAGAAGAAAGTCCCTGCCCTCCCT CGTGGCTGGGGCCCCCTCCCTCTTGAGCCTGGGTGCACAGCACCTCCACCTGGGGGGCTAGTGAAGC CCTCCTGCCTGCACACCATGTCTGCATCTTGGACGCCCTCTGTCCAGTCAGAAGCAGCCCTTGGCTGGG TGAGGTGTGCCCTCCAGGGAGAATAAAGCTTCTGAAGAGAGA ACGCGT AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_012190.4</u>



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Summary:

The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP⁺), and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family. Loss of function or expression of this gene is associated with decreased apoptosis, increased cell motility, and cancer progression. There is an antisense transcript that overlaps on the opposite strand with this gene locus. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2012]

Locus ID:

10840

MW:

9